

Product Datasheet

Keap1 Antibody (OTI1B4) NBP2-03319

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-03319

Keap1 Antibody (OTI1B4)

Product Information

Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1B4
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	69.5 kDa

Product Description

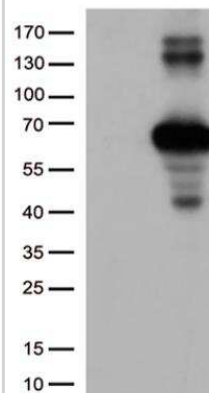
Host	Mouse
Gene ID	9817
Gene Symbol	KEAP1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human KEAP1(NP_987096) produced in HEK293T cell.

Product Application Details

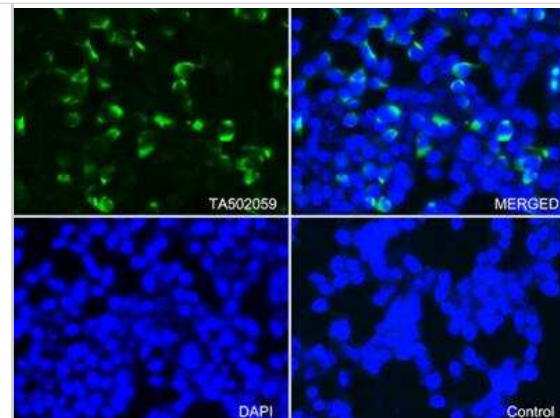
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:150, Knockout Validated

Images

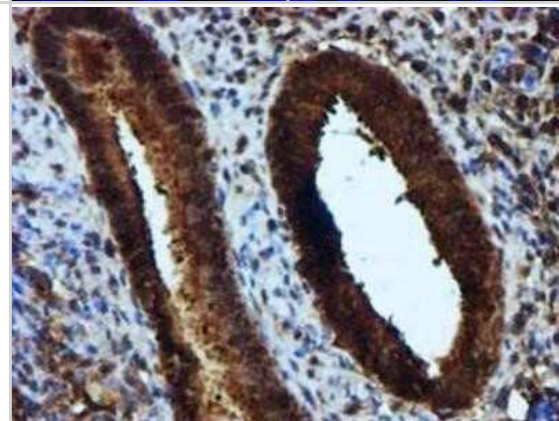
Western Blot: Keap1 Antibody (OTI1B4) [NBP2-03319] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KEAP1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KEAP1 (1:1000).



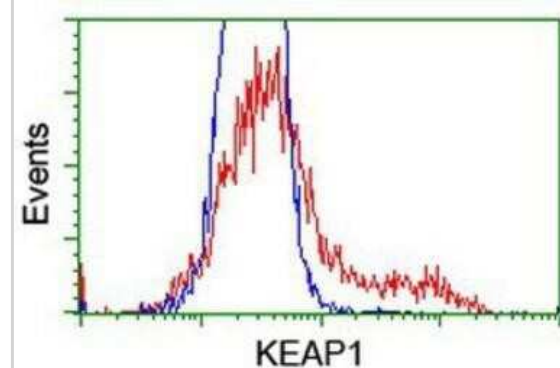
Immunocytochemistry/Immunofluorescence: Keap1 Antibody (OTI1B4) [NBP2-03319] - Immunofluorescent staining of 293T cells transfected by pCMV6-ENTRY KEAP1 using anti-KEAP1 antibody (green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).



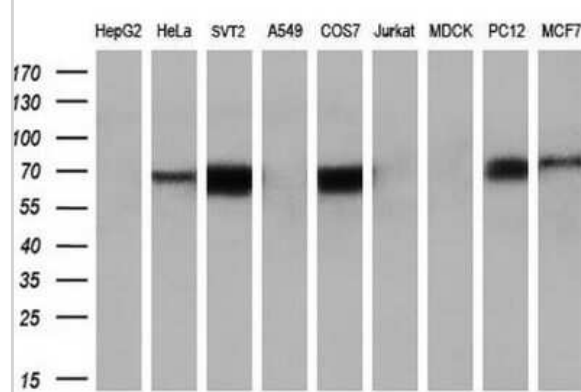
Immunohistochemistry-Paraffin: Keap1 Antibody (OTI1B4) [NBP2-03319] - Staining of paraffin-embedded Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



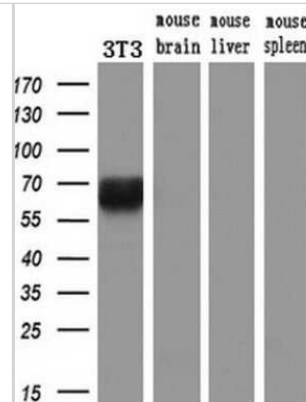
Flow Cytometry: Keap1 Antibody (OTI1B4) [NBP2-03319] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-KEAP1 antibody, and then analyzed by flow cytometry.



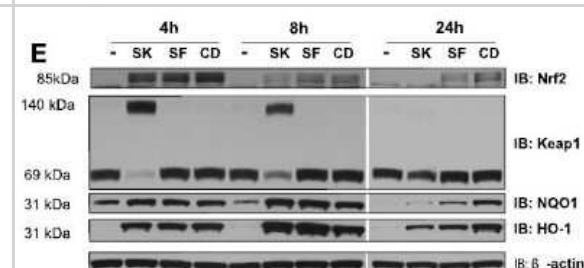
Western Blot: Keap1 Antibody (OTI1B4) [NBP2-03319] - Analysis of extracts (35ug) from 9 different cell lines by using anti-KEAP1 monoclonal antibody at 1:200 dilution. (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human)



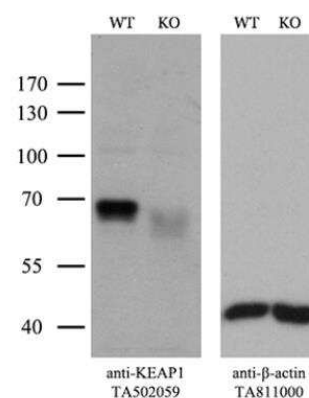
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues used at a 1:200 dilution.



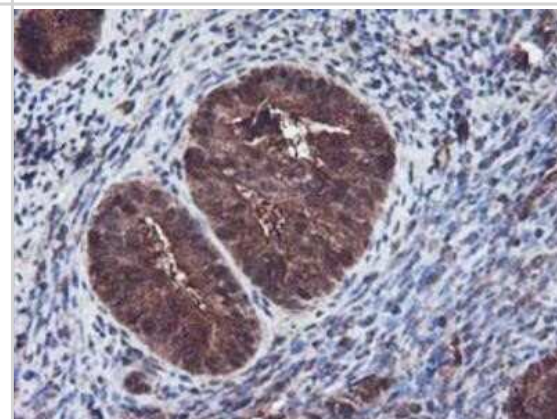
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Analysis of human BEAS2B cells.



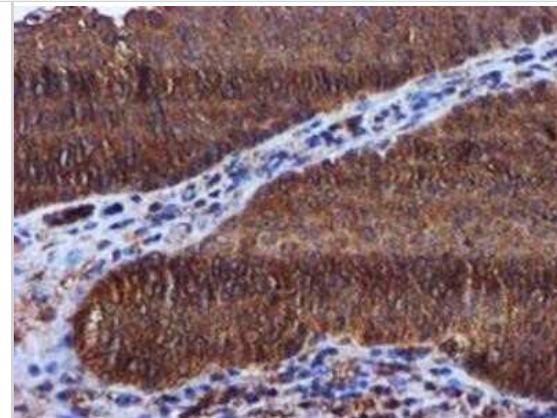
Western Blot: Keap1 Antibody (OT11B4) [NBP2-03319] - Equivalent amounts of cell lysates (10 ug per lane) of wild-type Hela cells and KEAP1-Knockout Hela cells were separated by SDS-PAGE and immunoblotted with anti-KEAP1 monoclonal antibody. Then the blotted membrane was stripped and reprobed with anti-beta-actin antibody as a loading control (1:500).



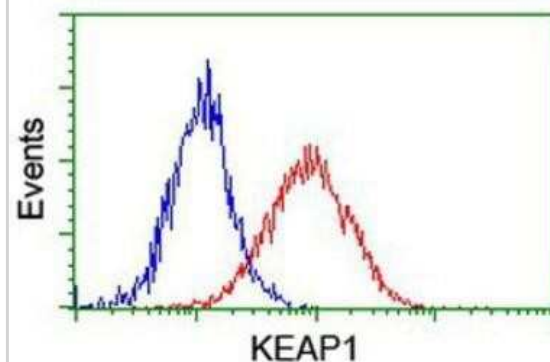
Immunohistochemistry-Paraffin: Keap1 Antibody (OT11B4) [NBP2-03319] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-KEAP1 mouse monoclonal antibody.



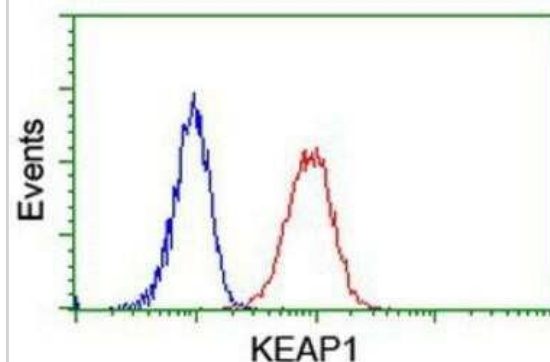
Immunohistochemistry-Paraffin: Keap1 Antibody (OTI1B4) [NBP2-03319] - Staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-KEAP1 mouse monoclonal antibody.



Flow Cytometry: Keap1 Antibody (OTI1B4) [NBP2-03319] - Analysis of Hela cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Flow Cytometry: Keap1 Antibody (OTI1B4) [NBP2-03319] - Analysis of Jurkat cells, using anti-KEAP1 antibody, (Red), compared to a nonspecific negative control antibody (Blue).



Publications

Deng H, Chen Y, Liu H et al. Study of the effect of keap1 on oxidative stress in human umbilical cord mesenchymal stem cells Research Square 2023-09-05

Seok JH, Kim DH, Kim HJ et al. Epigallocatechin-3-gallate suppresses hemin-aggravated colon carcinogenesis through Nrf2-inhibited mitochondrial reactive oxygen species accumulation Journal of Veterinary Science 2022-08-18 [PMID: 36174978]

Licht-Mayer S, Wimmer I, Traffehn S et al. Cell type-specific Nrf2 expression in multiple sclerosis lesions. Acta Neuropathol 2015-08-01 [PMID: 26087903]



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Products Related to NBP2-03319

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-83106PEP	Keap1 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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